



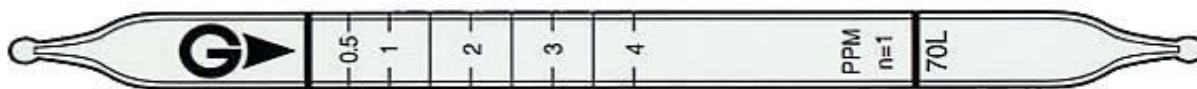
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## Gastec Tube Datasheet

**Mercaptans**

R·SH

**NO.GAS70L**



### Performance

Measuring Range	0.1 to 0.2 ppm	0.2 to 0.5 ppm	0.5 to 4 ppm	4 to 8 ppm
Number of Pump Strokes	4	2	1	1/2
Correction Factor	0.2	0.4	1	2
Sampling Time	1.5 minutes per pump stroke			
Detecting Limit	0.05 ppm (n=4)			
Colour Change	Yellow → Red			
Reaction Principle	Mercaptans react with Mercuric Chloride to produce Hydrogen Chloride. The indicator changes the colour to red.			
Coefficient of Variation	10% (for 0.5 to 1 ppm), 5% (for 1 to 4 ppm)			
Shelf Life	Up to 2 Years			
Corrections for temperature & humidity	Unnecessary			

Store the tubes at cool and dark place.

### Possible coexisting substances and their interferences

Substance	Concentration	Interference	Change colour by itself
Acid gases	-	Plus error	Produces red stain
Hydrogen Sulphide	≤200ppm	No effect	No discoloration

### Other substance measurable with this detector tube

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Substance	Correction Factor	Pump Strokes	Measuring Range
Butyl Mercaptan	1.6	1/2,1,2 or 4	0.16 to 12.8 ppm
tert-Butyl Mercaptan	1.0		0.1 to 8 ppm
Ethyl Mercaptan	1.0		0.1 to 8 ppm
Methyl Mercaptan	1.0		0.1 to 8 ppm
Propyl Mercaptan	1.2		0.12 to 9.6 ppm

**Calibration gas generation** Permeation tube method

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